

Claims

1. A gel composition for protein and calcium supplementation comprising the following components and having a pH in the range of 3 to 4:

|    |  |                |
|----|--|----------------|
| 5  | Protein or its hydrolysate that does not coagulate at pH 3 to pH 4 | 3 - 8 wt.%     |
|    | Calcium  | 0.1 - 0.5 wt.% |
|    | Acidulant  | 0.5 - 3 wt.%   |
|    | Carbohydrate   | 4 - 20 wt.%    |
| 10 | Fat  | 0 - 5 wt.%     |
|    | Emulsifying agent  | 0 - 0.5 wt.%   |
|    | Agar   | 0.1 - 1 wt.%   |
|    | Water  | 65 - 90 wt.%   |

15 2. The gel composition according to claim 1, further comprising 0.1 to 20 wt.% of at least one masking agent selected from the group consisting of fruit juice, fermented milk, hard-to-digest dextrin, reduced hard-to-digest dextrin, nigerooligosaccharide and trehalose.

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3. The gel composition according to claim 1 or 2, further comprising vitamin D in an amount of  $0.1 \times 10^{-6}$  to  $10 \times 10^{-6}$  wt.%.

25 4. The gel composition according to any of claims 1 to 3, wherein the protein that does not coagulate at pH 3 to pH 4 is at least one member selected from the

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group consisting of whey protein concentrates, whey protein isolates, desalted whey, and protein hydrolysates having a number average molecular weight of 500 to 10000.